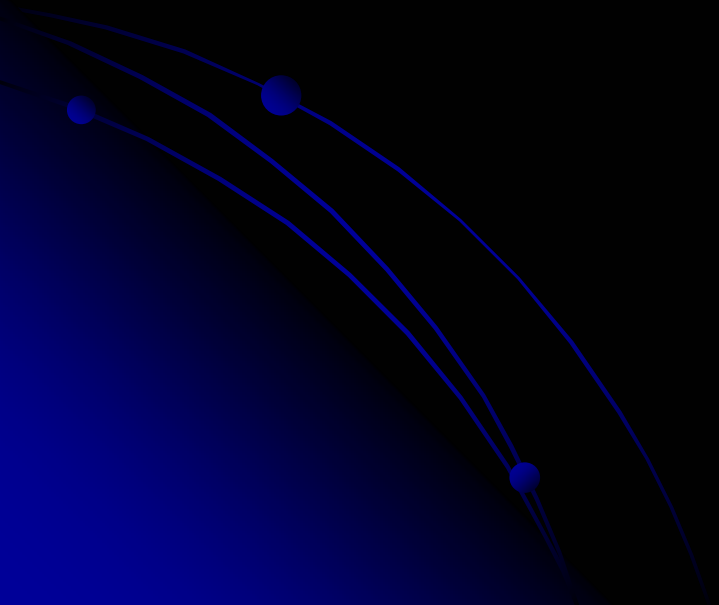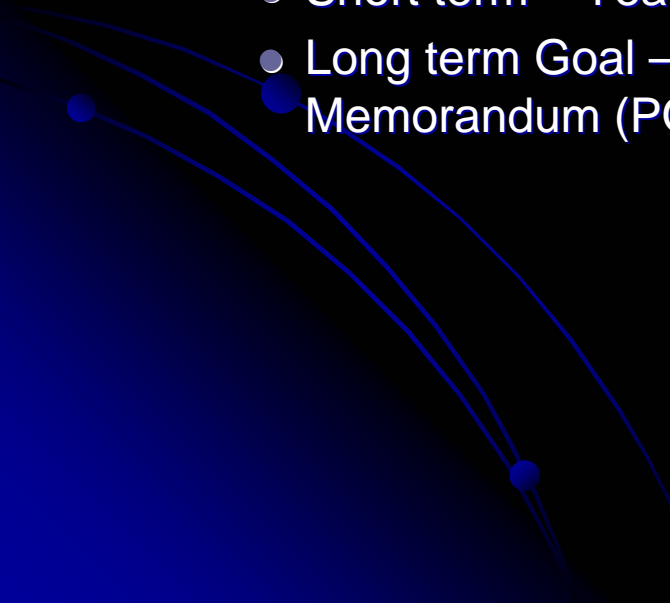# Web-Enabled Timeline Analysis System (WebTAS)

Life Cycle Maintenance

Problem

- WebTAS has no overall sustainment program
  - No funding for Software Life Cycle Maintenance
    - There is no funding to fix, test, distribute and document software problems or minor system enhancements
- Solution:
  - Provide funding for Software Life Cycle Maintenance
    - Short term – Yearly software license fee
    - Long term Goal – Have a sustainment line in the Program Objective Memorandum (POM)

What You'll Get for the Fee

- Fix software problems in fielded software
  - WebTAS currently has several hundred Problem Reports (PR) on record. The more it gets used the more will get logged
- Develop Enhancements
  - Implement a limited number of User's Change Request (CR)
- Help Desk Support
- Configuration management
- Training (User and Administrator)
- Installation support
- Software and System Testing
- Software and Document Release Management
- Support yearly users conference

WebTAS
Software License Fee

- Estimated Fee per site required to provide the Users with a minimum software sustainment support is $25K/Site
  - Currently have approximately 40 Sites, which will give us $1M/year for sustainment
- Our long term goal is to eliminate or reduce the license fee
  - Make AFC2ISRC DExA
  - Get sustainment line in POM

Estimate

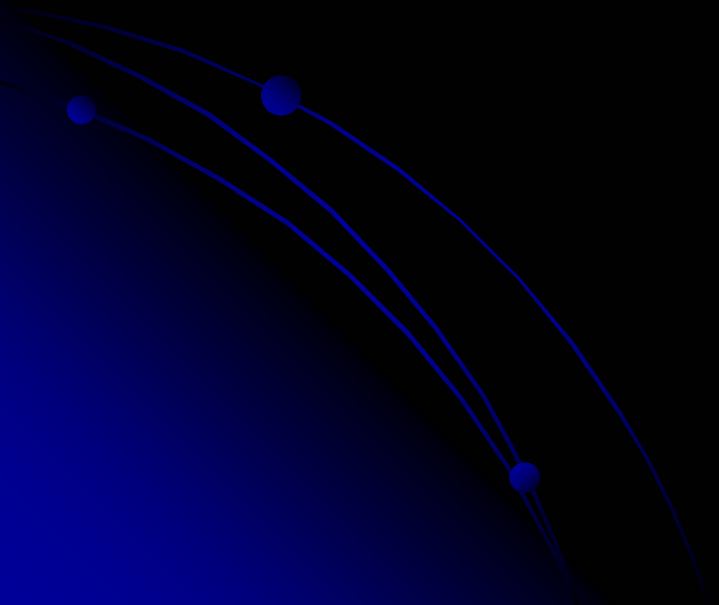| Development Team			$25,000/Site
	Management	Senior Manager	75,000
	Developer	SR Software Engineer	150,000
		SR Software Engineer	150,000
		Jr Software Engineer#1	150,000
		Jr Software Engineer#2	0
		Jr Software Engineer#3	0
		Install/Trainer#1	95,000
		Install/Trainer#2	0
	O&M Costs		
		User Conference budget	25,000
		Documentation	50,000
		Software License Fees	30,000
		Test/Exercise Support	115,000
			840,000
Program Office			
	Personnel Costs	Engineer	0
		Operations Manager	0
		Admin	0
	Overhead Costs	Configuration Management Fee	55,000
		Help Desk Fee	50,000
		Equipment	0
		Travel	25,000
		Software License Fees	30,000
		Misc.	0
			160,000
Projected Yearly Total			**1,000,000**

User's Issues and Concerns

- Although it is late in the fiscal year, some organizations will be able to contribute their license fee in FY05
  - These User will be members of the CCB and will determine the evolution of WebTAS and will have priority for site support.
    - PRs/CRs
    - Training
    - Installation support
    - Voting member of the CCB

- Other organizations may have difficulty in providing the FY05 funds.
  - We will still provide a copy of the latest software version
  - However, site support (CRs, PRs, installation, training, etc) will be limited and assessed on a case-by-case basis by the DExA and PMO.
  - Sites will not be a voting member of the CCB

- Organizations that pay for site unique enhancements
  - Your requirements will be developed and integrated into the WebTAS software baseline as agreed upon by you, PMO and the DExA

Conclusion

- Web TAS will be entering a transition period
  - As we migrate the program from its current status (e.g. ad-hoc developments, site-unique solutions, etc) to a better situation where we have a common, supported and maintained product. A standard product that the entire user community determines what new capabilities will be added.

Backup Slides

Funding Options

Funding Levels

Development Team			$25,000/Site	$50000/Site
	Management	Senior Manager	75,000	200,000
	Developer	SR Software Engineer	150,000	210,000
		SR Software Engineer	150,000	75,000
		Jr Software Engineer#1	150,000	150,000
		Jr Software Engineer#2	0	150,000
		Jr Software Engineer#3	0	115,000
		Install/Trainer#1	95,000	200,000
		Install/Trainer#2	0	0
	O&M Costs			
		User Conference budget	25,000	25,000
		Documentation	50,000	50,000
		Software License Fees	30,000	30,000
		Test/Exercise Support	115,000	150,000
			840,000	**1,355,000**
Program Office				
	Personnel Costs	Engineer	0	150,000
		Operations Manager	0	150,000
		Admin	0	75,000
	Overhead Costs	Configuration Management Fee	55,000	55,000
		Help Desk Fee	50,000	50,000
		Equipment	0	20,000
		Travel	25,000	75,000
		Software License Fees	30,000	30,000
		Misc.	0	40,000
			160,000	**645,000**
Projected Yearly Total			**1,000,000**	**2,000,000**

O&M Support

- **24x7 Help Desk**
  - 3 levels to provide appropriate expertise to address problem / question
  - Provides access to actual developers when necessary
  - On-site support for mission critical problems – If there is major problem that can not be resolved by telephone or remotely, an engineer will be sent to the site
- **Product Upgrades**
  - Software certification IAW DoDIIS processes
  - On-site upgrade installation/testing/training for new software versions
  - Patch release and distribution available via CD and Web download
  - Support for updates to bundled in COTS products (e.g. virus definition updates)
  - Help desk support for application of service packs/patches
  - Technology transition of successful S&T initiatives
- **Mature configuration management process**
  - Voting member on CCB
    - Determines PRs/CRs addressed in next release
  - Web site for submission/monitoring of product problem reports (PRs) and change requests (CRs)
- **Yearly User Conferences**

Proposed Solutions

- Air Force Command and Control & Intelligence, Surveillance, and Reconnaissance Center (AFC2ISRC) wants to be the Executive Agent (EA) for WebTAS

- Peruse making WebTAS a DoDIIS Intelligence Mission Application (IMA)

- Provide funding for Software Life Cycle Maintenance
  - Short term – Yearly User software license fee
  - Mid term – Program Objective Memorandum (POM) funded (once WebTAS becomes an IMA)

Example of a CCB Process

Users Submit Requirements

Developers Installers Testers Submit Requirements

PMO

DExA

Help Desk

Proposed Technical Enhancements

Correlate New Requirements

Correlate PRs/CRs

Requirements

DExA Reviews Proposals

Technical Enhancements

Update Requirement Database

DExA & PMO Index Requirements

Indexed Requirements

CCB Reviews Requirements

Requirements Status

Feedback

Validated Requirements

DExA Certifies

Unfunded Requirements Process

FRD

Users & DExA Prioritize

PMO Provides SOW

Funded Requirements

DExA & PMO Determine Funding

Unfunded Requirements

Developer Submits Proposal

Work Plan & Cost Estimate

PMO Schedules Implementation

Schedules